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BRANCHING FILTER AND SURFACE ACOUSTIC WAVE FILTER

Background of the Invention

1. Field of the Invention

The present invention relates a branching filter including a first filter and second filter, which have different passbands from each other and which are connected to each other, and a surface acoustic wave device used in the branching filter, and more particularly, to a branching filter having improved temperature properties and a surface acoustic wave device used in the branching filter.

2. Description of the Related Art

In communication apparatuses such as a mobile phone, a branching filter including a first filter and a second filter has been widely used. The first filter and the second filter have different passbands from each other and are connected to each other. For example, in Japanese Unexamined Patent Application Publication No. 5-167388, a branching filter having a circuit structure shown in Fig. 17 is disclosed.

In a branching filter 101, a first filter 103 and a second filter 104 are connected to an input terminal 102.